Supplemental Material, Table 1. Demographic and personal information for study participants.

Participant ID	Days post partum (1st sample)	Infant birth weight (gr)	BMI	Mother Age (yrs)	Household income (USD)	Educational status	Breastfed as infant
030	35	3629	22.7	29	>= 200,000	Doctorate degree	No
001	37	3005	25.4	25	25,000-29,000	Associate degree	Yes
002	34	2948	25	24	75,000-99,000	Bachelor's degree	No
003	30	2580	24	28	75,000-99,000	Professional school degree	Yes
004	31	3232	25.6	38	150,000-199,999	Doctorate degree	ND
005	31	3147	26.3	31	75,000-99,000	High school degree	No
007	31	3572	24.1	28	ND	Bachelor's degree	Yes
008	29	2892	22.3	30	125,000-149,999	Professional school degree	No
009[a]	33	ND	29.2	35	100,000-124,999	Bachelor's degree	Yes
010[b]	30	2722	24.5	23	60,000-74,999	Professional school degree	Yes

ND = no data

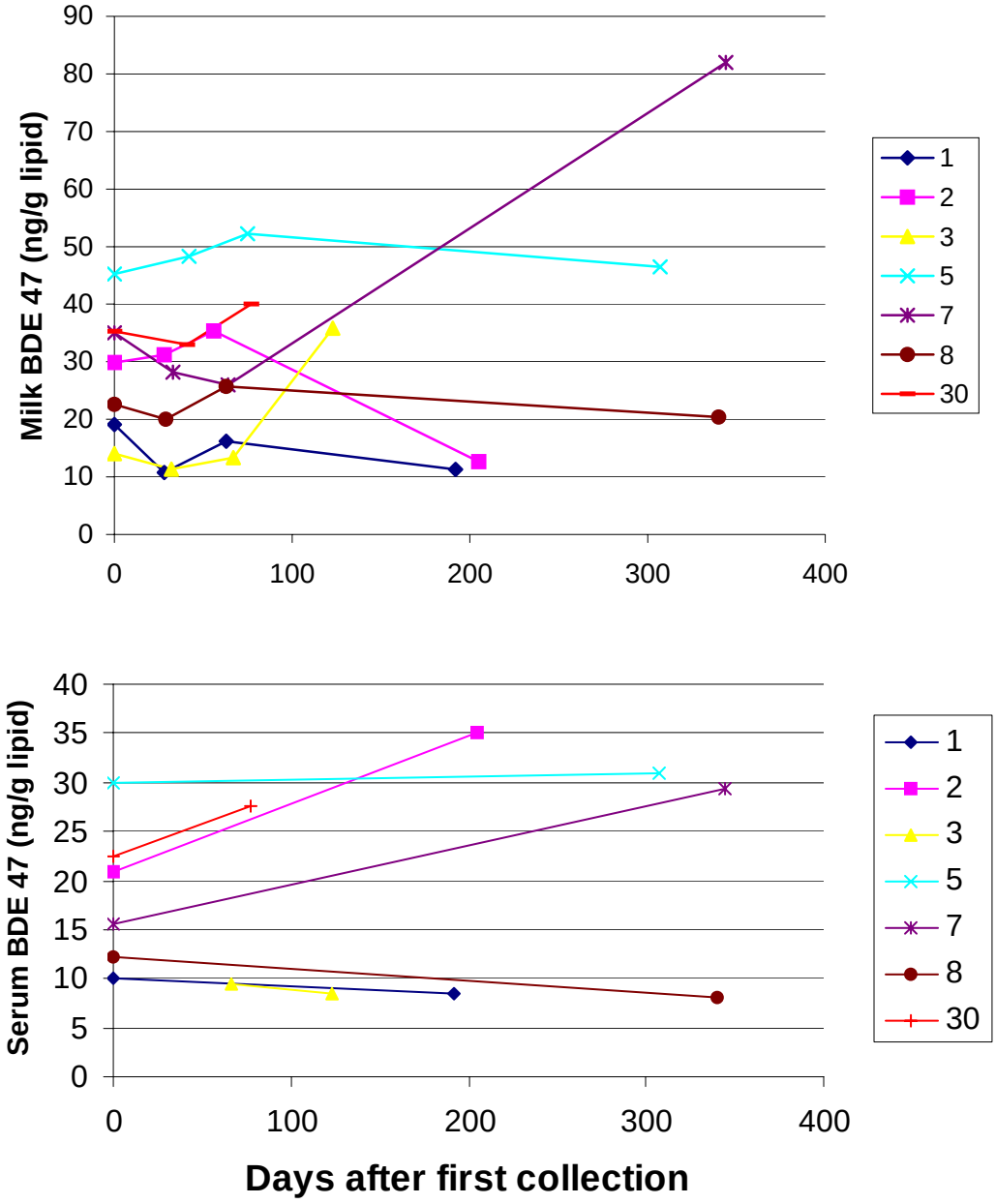
[a] Smoker

[b] All participants reported race as “white” except participant 010, who reported race as “two or more races”.

Supplemental Material, Table 2. Slopes of the fitted lines (corresponding to the lipid-adjusted serum/milk ratio) for milk/serum milk pairs for the ten participants. N is less than 10 in cases where data for that chemical were below the limit of detection for either milk or serum.

Chemical	N (milk/serum pairs)	Slope (milk/serum)	Standard Error
BDE 47	10	1.62	0.074
BDE 100	10	1.40	0.046
HCB	10	1.23	0.087
trans-Nonachlor	10	2.67	0.112
p,p'-DDE	10	1.77	0.06
p,p'-DDT	10	2.37	0.147
PCB 74	10	1.78	0.082
PCB 99	10	1.79	0.069
PCB 118	10	1.64	0.114
PCB 138-158	10	1.62	0.068
PCB 146	10	1.54	0.081
PCB 153	10	1.47	0.069
PCB 170	10	1.27	0.061
PCB 180	10	1.17	0.067
PCB 187	10	1.35	0.075
1,2,3,6,7,8-HxCDD	8	0.74	0.02
1,2,3,4,6,7,8-HpCDD	9	0.50	0.03
OCDD	9	0.32	0.03
1,2,3,4,6,7,8-HpCDF	9	0.38	0.07
PCB 126	9	1.13	0.07

Supplemental Material, Figure 1. Lipid-adjusted concentrations of BDE 47 (ng/g lipid) over the duration of lactation for the seven participants with first and last collections for both milk and serum. Each line represents an individual.



Supplemental Material, Figure 2. Relationship between serum/milk ratios (lipid-adjusted) and chemical molecular weight. Three groups of chemicals are shown: the dioxin-like chemicals (1,2,3,6,7,8-HxCDD, 1,2,3,4,6,7,8-HpCDD, OCDD, 1,2,3,4,6,7,8-HpCDF, PCB 126), PCBs (74, 99, 118, 146, 153, 170, 180, 187), and chlorinated organic pesticides (HCB, *trans*-nonachlor, p,p'-DDE, p,p'-DDT).